

2- and 3-COMPONENT DOSING, MIXING and DISPENSING EQUIPMENT

TYP DG 150 - Series



New mixing head and valve design



Siemens Control



Colour dosing with agitation



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LINDEN



POLYTEC GROUP

2- and 3-COMPONENT DOSING, MIXING and DISPENSING EQUIPMENT

TYP DG 150 - Series

New developed 2- or 3 component metering, mixing and dispensing machine for all cold- or hot castable reactive chemicals for example PUR, Epoxy, Cast-nylon, Silicones, liquid resins, etc.

This machine combines Quality and Reliability of POLYTEC EMC machines with ease of Operation and Superior Control.

Besides "state of the art" technology, efficient energy consumption was one of the major goals.

Technical data:

- > Outputs: 6 / 12 / 18 kg/min (13.2 / 26.4 / 39.6 lb/min)
- > Temperature controls: up to 150° C (302° F)
- > Power supply: 480Volt, 3Phase, 60Hz
- > Power Consumption: approx. 10 kW
- > Air Supply Pressure: 7 bar (100 PSIG)
- > Tank capacities: 60 - 250 ltr. (16 - 66 Gal.)

Standard Features:

Tanks:

- > Stainless Steel -1 / +1 bar (-14.5 / +14.5 PSI)
- > Manual refilling
- > Connections for blanket pressurizing and vacuum
- > Illuminated inspection port
- > Agitator optional

Heating:

- > 3 Zone Heating for Tanks, Hoses and Mix Head Valves
- > Individual Temperature Controls
- > Insulated Tank Enclosures to save energy

Metering:

- > Precision Gear Pumps, VFD controlled for exact ratio and throughput
- > Recirculation for both components
- > Exact pressure regulation for recirculation cycle and dispensing

Mixing Head:

- > Dynamic Mixer with VFD (Variable Speed Drive) control
- > Throughput: 6 / 12 or 18 kg/min (13.2 / 26.4 / 39.6 lb/min)
- > Automatic Flush System with 10 liter (2.6 Gals) Solvent Tank
- > Handheld Control Pendant with Pour-Start / Stop, Flush and Air Push Buttons

Control:

- > Siemens PLC S7/300 Control including Touch Screen HMI (Human, Machine, Interface)
- > Calibration Mode for Throughput and Ratio
- > 10 Presettable Programs for Throughputs and Ratio
- > 3 Pour Timers and automatic flush sequence
- > Programmable 7-day timer for heating system
- > Malfunction indication by plain text
- > Stand-by Mode

Additional:

- > Tool box
- > Optional 3rd component
- > Optional vacuum unit
- > Optional color metering unit with agitator

Excerpt from the product portfolio:

